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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/886,171A

DATE: 10/26/2001

TIME: 10:28:17

Input Set : A:\A66914-2.ST25.txt

Output Set: N:\CRF3\10262001\I886171A.raw

ENTERED

3 <110> APPLICANT: Zarling, David
4 Reddy, Gurucharan
5 Pati, Sushma
7 <120> TITLE OF INVENTION: Domain Specific Gene Evolution
9 <130> FILE REFERENCE: A-66914-2/RFT/BTC/AMS
11 <140> CURRENT APPLICATION NUMBER: US 09/886,171A
12 <141> CURRENT FILING DATE: 2001-06-20
14 <150> PRIOR APPLICATION NUMBER: US 60/096,330
15 <151> PRIOR FILING DATE: 1998-08-12
17 <150> PRIOR APPLICATION NUMBER: US 09/373,347
18 <151> PRIOR FILING DATE: 1999-08-12
20 <150> PRIOR APPLICATION NUMBER: US 09/133,934
21 <151> PRIOR FILING DATE: 1998-08-14
23 <160> NUMBER OF SEQ ID NOS: 6
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 80
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Synthetic
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (31)..(44)
38 <223> OTHER INFORMATION: "n" at positions 31-44 can be any base.
41 <400> SEQUENCE: 1
42 tcctgcaagg cttctggcta ctccttcacc nnnnnnnnnn nnnnctgggt gaagcagagg 60
44 cctggacaag gccttgagtg 80
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 113
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Synthetic
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: (31)..(81)
58 <223> OTHER INFORMATION: "n" at positions 31-81 can be any base.
61 <400> SEQUENCE: 2
62 aggcctggac aaggccttga gtggattggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
64 nnnnnnnnnn nnnnnnnnnn naaggccaca ttgactgtag acagatcctc cag 113
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 102
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Synthetic

RAW SEQUENCE LISTING

DATE: 10/26/2001

PATENT APPLICATION: US/09/886,171A

TIME: 10:28:18

Input Set : A:\A66914-2.ST25.txt

Output Set: N:\CRF3\10262001\I886171A.raw

75 <220> FEATURE:

76 <221> NAME/KEY: misc_feature

77 <222> LOCATION: (31)..(73)

78 <223> OTHER INFORMATION: "n" at positions 31-73 can be any base

81 <400> SEQUENCE: 3

82 gactctgctg tctattactg tgctagaggg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

84 nnnnnnnnnn nnttggggcc aaggagccac ggcaccgtct cc 102

87 <210> SEQ ID NO: 4

88 <211> LENGTH: 88

89 <212> TYPE: DNA

90 <213> ORGANISM: Artificial Sequence

92 <220> FEATURE:

93 <223> OTHER INFORMATION: Synthetic

95 <220> FEATURE:

96 <221> NAME/KEY: misc_feature

97 <222> LOCATION: (31)..(57)

98 <223> OTHER INFORMATION: "n" at positions 31-57 can be any base.

101 <400> SEQUENCE: 4

102 tctccagggg agaaggtcat catgacctgc nnnnnnnnnn nnnnnnnnnn nnnnnnnntac 60

104 tggtagcagc agaagccagg atcctccc 88

107 <210> SEQ ID NO: 5

108 <211> LENGTH: 84

109 <212> TYPE: DNA

110 <213> ORGANISM: Artificial Sequence

112 <220> FEATURE:

113 <223> OTHER INFORMATION: Synthetic

115 <220> FEATURE:

116 <221> NAME/KEY: misc_feature

117 <222> LOCATION: (31)..(54)

118 <223> OTHER INFORMATION: "n" at positions 31-54 can be any base.

121 <400> SEQUENCE: 5

122 ccaggatcct cccccagact cctgatttat nnnnnnnnnn nnnnnnnnnn nnnngtcctt 60

124 gttcgcttca gtggcagtgg gtct 84

127 <210> SEQ ID NO: 6

128 <211> LENGTH: 91

129 <212> TYPE: DNA

130 <213> ORGANISM: Artificial Sequence

132 <220> FEATURE:

133 <223> OTHER INFORMATION: Synthetic

135 <220> FEATURE:

136 <221> NAME/KEY: misc_feature

137 <222> LOCATION: (32)..(61)

138 <223> OTHER INFORMATION: "n" at positions 32-61 can be any base.

141 <400> SEQUENCE: 6

142 ggaggtgaa gatgctgcca ctattactg cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

144 nggtgctggg acaaagctgg agctcaaagc t 91

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/886,171A

DATE: 10/26/2001

TIME: 10:28:21

Input Set : A:\A66914-2.ST25.txt

Output Set: N:\CRF3\10262001\I886171A.raw

L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6